


SYNCHRONIZATION OF INTERNAL COMBUSTION ENGINE

Patent number: JP2001248490
Publication date: 2001-09-14
Inventor: MICHAEL ROBERT GALLARD; RAY CHARLES MARSHALL
Applicant: FORD MOTOR CO
Classification:
 - international: F02D45/00
 - european:
Application number: JP20000062834 20000308
Priority number(s):

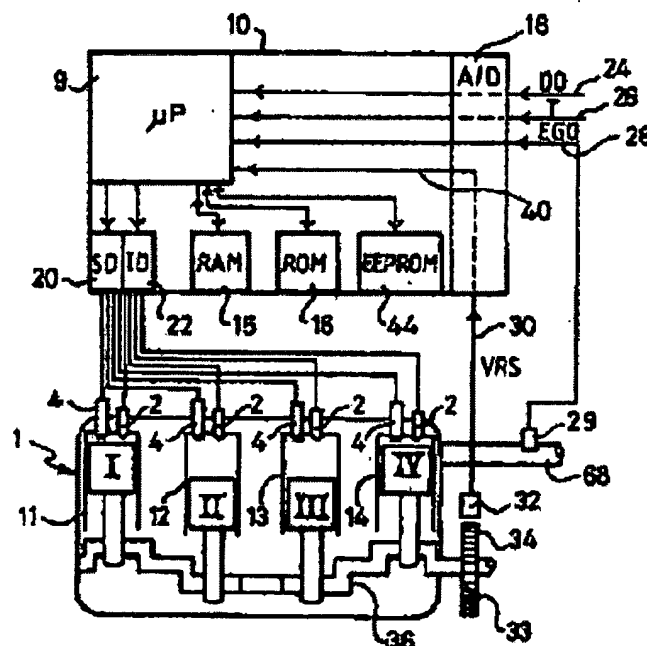
Also published as:

 JP2001248490 (A)

Abstract of JP2001248490

PROBLEM TO BE SOLVED: To quickly synchronize an internal combustion engine when the engine is started.

SOLUTION: A four-stroke internal combustion engine 1 has a plurality of cylinders 11-14 having pistons I-IV connected with a crankshaft 36, means 32-34 for imparting a series of pulses in each engine cycle and an engine control system 10. The engine control system 10 has a memory 44 and means 10, 29, 32 for judging the engine cycles after the engine 1 is cranked and a means 9 for counting the series of pulses till the engine 1 is stopped to judge the engine cycles when the engine 1 is stopped afterwards so as to store data showing the engine cycles into the memory 44. From a certain point of view, the means 10, 29, 32 for judging the engine cycles after the engine 1 is cranked are means for judging the engine cycles during the operation of the engine 1. From an another point of view, the means 10, 29, 32 for judging the engine cycles after the engine 1 is cranked includes the memory 44 storing data showing the engine cycles before the engine 1 is cranked.



Data supplied from the esp@cenet database - Worldwide